

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061719\
 Data File : VW010834.D
 Acq On : 17 Jun 2019 18:12
 Operator : SY/VA
 Sample : K3363-07
 Misc : 3.39G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	6	9	14	rVB2	6998	9504	0.06%	0.030%
2	2.160	37	42	53	rBV	37488	58726	0.40%	0.185%
3	2.343	67	72	80	rVB2	48571	82932	0.56%	0.261%
4	2.879	153	160	169	rBV	37262	80134	0.54%	0.252%
5	3.385	238	243	252	rVB5	2317	6343	0.04%	0.020%
6	3.538	266	268	274	rVV6	1372	2654	0.02%	0.008%
7	3.587	274	276	280	rVB2	765	934	0.01%	0.003%
8	3.672	287	290	292	rBV3	823	723	0.00%	0.002%
9	3.702	292	295	296	rVV2	523	521	0.00%	0.002%
10	3.739	300	301	304	rVB2	751	508	0.00%	0.002%
11	3.855	316	320	325	rVB4	1015	1873	0.01%	0.006%
12	3.922	330	331	335	rVB2	509	552	0.00%	0.002%
13	4.013	335	346	360	rBV3	64916	186584	1.26%	0.587%
14	4.135	360	366	367	rBV4	1584	2259	0.02%	0.007%
15	4.397	401	409	417	rVV2	4045	11240	0.08%	0.035%
16	4.605	438	443	445	rBV2	708	1027	0.01%	0.003%
17	4.916	482	494	506	rBV3	13344	47378	0.32%	0.149%
18	5.422	564	577	595	rBV	200489	607675	4.11%	1.911%
19	5.775	633	635	641	rVB4	567	862	0.01%	0.003%
20	5.873	647	651	652	rBV2	436	525	0.00%	0.002%
21	5.940	652	662	673	rBV4	5894	17117	0.12%	0.054%
22	6.111	689	690	695	rVB4	575	874	0.01%	0.003%
23	6.214	704	707	710	rBV3	584	924	0.01%	0.003%
24	6.300	715	721	723	rBV3	818	1103	0.01%	0.003%
25	6.336	723	727	732	rBV5	441	736	0.00%	0.002%
26	6.428	739	742	744	rBV3	513	669	0.00%	0.002%
27	6.604	769	771	773	rVB3	590	534	0.00%	0.002%
28	7.080	840	849	853	rBV	34794	89302	0.60%	0.281%
29	7.165	853	863	878	rVB	4928136	13003138	87.85%	40.902%
30	7.653	933	943	957	rBV3	77622	257380	1.74%	0.810%
31	7.915	985	986	988	rBV2	556	528	0.00%	0.002%
32	8.037	1002	1006	1008	rBV2	631	906	0.01%	0.003%
33	8.122	1017	1020	1021	rBV3	476	560	0.00%	0.002%
34	8.153	1021	1025	1028	rVV5	986	1665	0.01%	0.005%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061719\
 Data File : VW010834.D
 Acq On : 17 Jun 2019 18:12
 Operator : SY/VA
 Sample : K3363-07
 Misc : 3.39G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
 Title : VOC Analysis

35	8.275	1036	1045	1063	rBV2	165029	548982	3.71%	1.727%
36	8.567	1089	1093	1094	rBV4	1029	1291	0.01%	0.004%
37	8.586	1094	1096	1098	rVB3	724	604	0.00%	0.002%
38	8.695	1109	1114	1120	rBV4	1605	2911	0.02%	0.009%
39	8.842	1130	1138	1151	rBV	165372	328095	2.22%	1.032%
40	9.092	1164	1179	1199	rBV	7703279	14800938	100.00%	46.557%
41	9.275	1202	1209	1223	rVB	149867	314676	2.13%	0.990%
42	9.445	1234	1237	1240	rVB3	798	845	0.01%	0.003%
43	9.518	1243	1249	1253	rVV6	568	1246	0.01%	0.004%
44	9.659	1270	1272	1280	rBV5	790	1434	0.01%	0.005%
45	9.756	1284	1288	1290	rBV4	952	1247	0.01%	0.004%
46	9.823	1294	1299	1301	rBV3	717	1040	0.01%	0.003%
47	9.890	1308	1310	1312	rBV3	706	965	0.01%	0.003%
48	10.037	1327	1334	1342	rVV	39760	72664	0.49%	0.229%
49	10.098	1342	1344	1346	rVV3	823	730	0.00%	0.002%
50	10.213	1358	1363	1365	rBV5	1164	1719	0.01%	0.005%
51	10.250	1365	1369	1374	rVB6	718	1552	0.01%	0.005%
52	10.323	1374	1381	1387	rBV	125404	227037	1.53%	0.714%
53	10.390	1387	1392	1403	rVB	113324	199912	1.35%	0.629%
54	10.573	1415	1422	1433	rVB2	23021	48730	0.33%	0.153%
55	10.707	1438	1444	1449	rVB2	8282	14108	0.10%	0.044%
56	10.860	1463	1469	1474	rVB5	3138	5645	0.04%	0.018%
57	10.927	1474	1480	1492	rBV	90741	159157	1.08%	0.501%
58	11.067	1500	1503	1505	rBV3	1109	1415	0.01%	0.004%
59	11.183	1517	1522	1526	rBV6	921	1749	0.01%	0.006%
60	11.232	1528	1530	1534	rVB3	1010	1068	0.01%	0.003%
61	11.341	1544	1548	1551	rBV3	1019	1383	0.01%	0.004%
62	11.372	1551	1553	1554	rVB	909	521	0.00%	0.002%
63	11.524	1571	1578	1581	rBV5	1809	4380	0.03%	0.014%
64	11.634	1589	1596	1606	rBV	90404	157952	1.07%	0.497%
65	11.731	1608	1612	1617	rVB2	5404	8205	0.06%	0.026%
66	11.835	1624	1629	1641	rBV	11270	23606	0.16%	0.074%
67	12.170	1679	1684	1694	rVB3	6817	14411	0.10%	0.045%
68	12.256	1694	1698	1702	rVB4	821	1504	0.01%	0.005%
69	12.347	1710	1713	1715	rVV4	1067	1398	0.01%	0.004%
70	12.390	1719	1720	1723	rVB2	964	634	0.00%	0.002%
71	12.457	1727	1731	1732	rBV3	957	1128	0.01%	0.004%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061719\
 Data File : VW010834.D
 Acq On : 17 Jun 2019 18:12
 Operator : SY/VA
 Sample : K3363-07
 Misc : 3.39G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
 Title : VOC Analysis

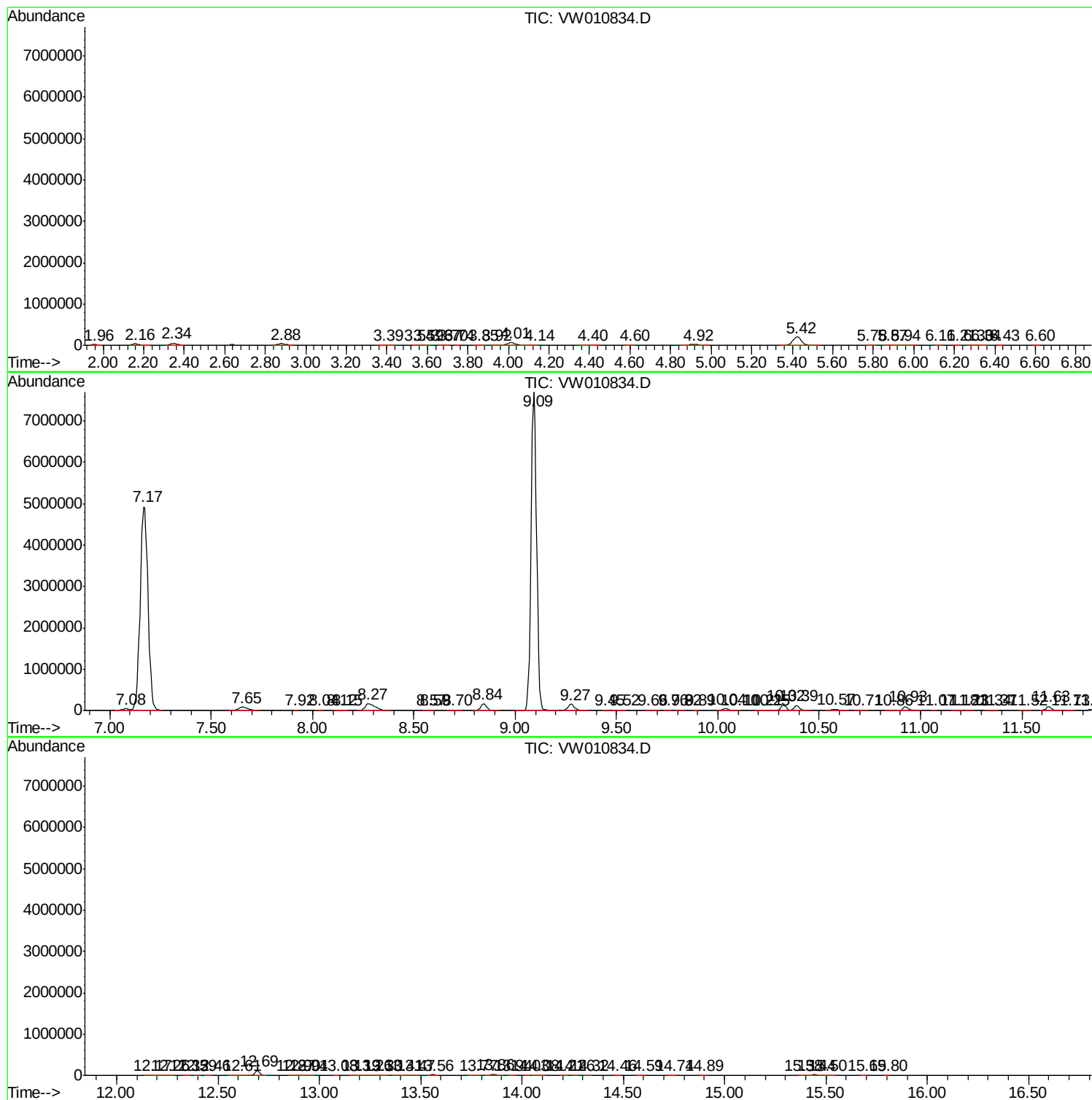
72	12.609	1747	1756	1762	rBV	9620	17504	0.12%	0.055%
73	12.695	1763	1770	1777	rBV	119575	195827	1.32%	0.616%
74	12.871	1795	1799	1802	rVV5	1423	1908	0.01%	0.006%
75	12.902	1802	1804	1806	rVV3	792	971	0.01%	0.003%
76	12.939	1806	1810	1816	rVV5	2502	4773	0.03%	0.015%
77	13.085	1831	1834	1835	rBV3	853	846	0.01%	0.003%
78	13.195	1844	1852	1858	rBV4	2273	5117	0.03%	0.016%
79	13.256	1858	1862	1866	rBV3	933	1408	0.01%	0.004%
80	13.304	1866	1870	1876	rVB4	1342	2343	0.02%	0.007%
81	13.408	1879	1887	1892	rBV3	4503	8369	0.06%	0.026%
82	13.469	1892	1897	1901	rBV6	1081	1530	0.01%	0.005%
83	13.560	1907	1912	1916	rBV	13853	21132	0.14%	0.066%
84	13.774	1940	1947	1950	rBV9	1536	3658	0.02%	0.012%
85	13.859	1954	1961	1968	rBV2	23402	44197	0.30%	0.139%
86	13.944	1973	1975	1979	rVB5	894	944	0.01%	0.003%
87	14.030	1986	1989	1990	rBV2	625	596	0.00%	0.002%
88	14.079	1992	1997	2003	rVB3	5957	10086	0.07%	0.032%
89	14.207	2014	2018	2021	rBV4	667	1086	0.01%	0.003%
90	14.255	2024	2026	2029	rBV2	538	759	0.01%	0.002%
91	14.322	2034	2037	2041	rBV4	912	1518	0.01%	0.005%
92	14.463	2059	2060	2063	rVB3	593	528	0.00%	0.002%
93	14.591	2077	2081	2083	rVB3	489	606	0.00%	0.002%
94	14.743	2102	2106	2109	rBV4	735	1008	0.01%	0.003%
95	14.889	2128	2130	2132	rBV2	780	835	0.01%	0.003%
96	15.377	2208	2210	2212	rVB2	887	720	0.00%	0.002%
97	15.444	2214	2221	2227	rVV	13606	22861	0.15%	0.072%
98	15.499	2227	2230	2237	rVB2	3147	5076	0.03%	0.016%
99	15.694	2258	2262	2263	rBV3	870	781	0.01%	0.002%
100	15.798	2277	2279	2281	rBV3	900	614	0.00%	0.002%

Sum of corrected areas: 31790873

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061719\
Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061719\
Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

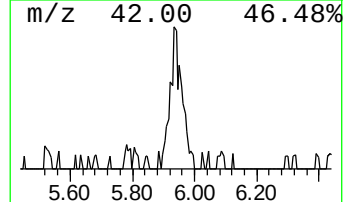
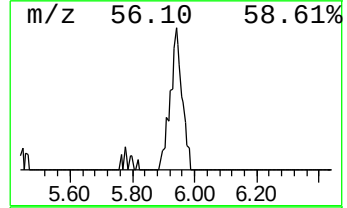
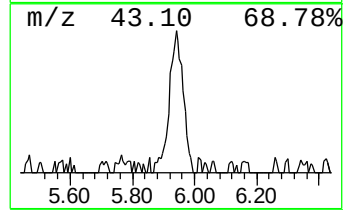
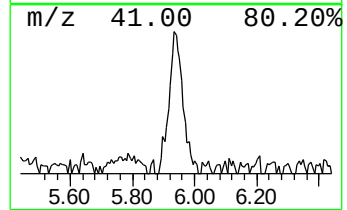
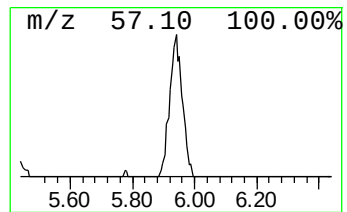
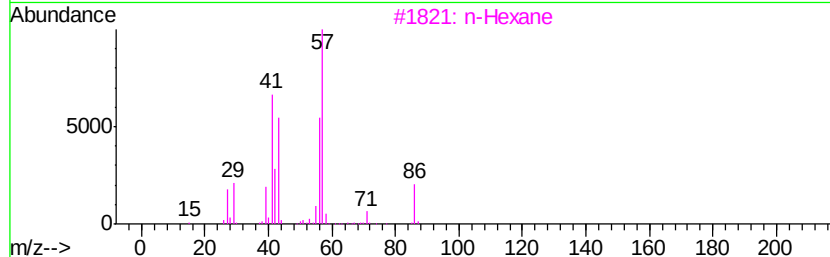
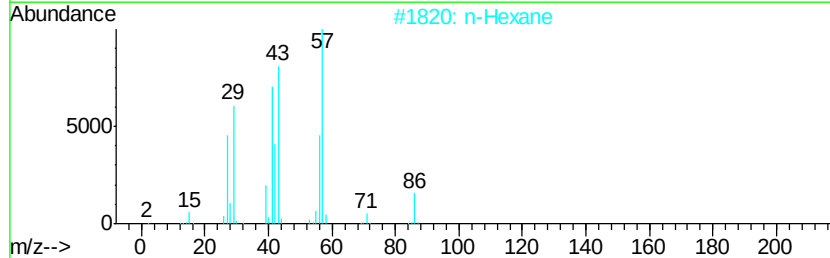
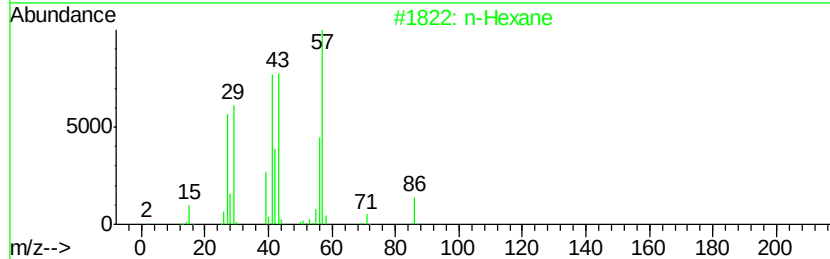
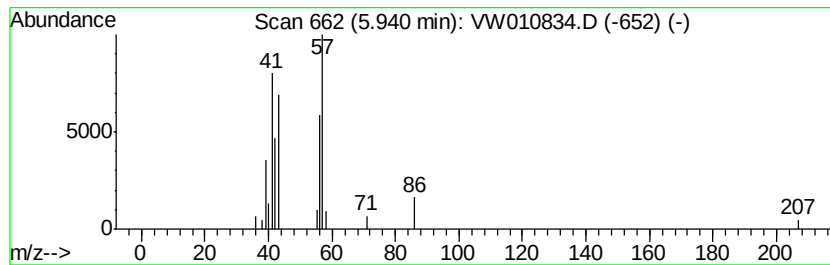
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	1.30 ug/L	17117	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	86
2		n-Hexane	86	C6H14	000110-54-3	80
3		n-Hexane	86	C6H14	000110-54-3	50
4		Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	47
5		3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061719\
Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

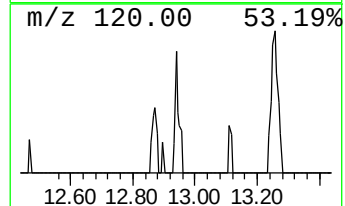
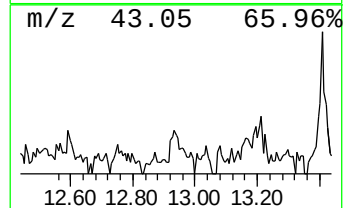
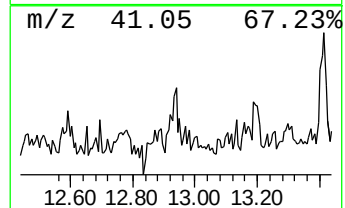
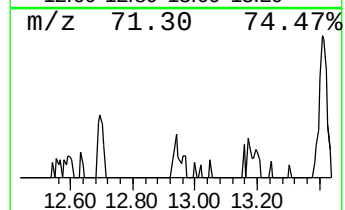
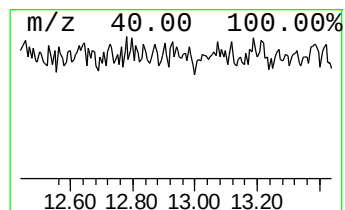
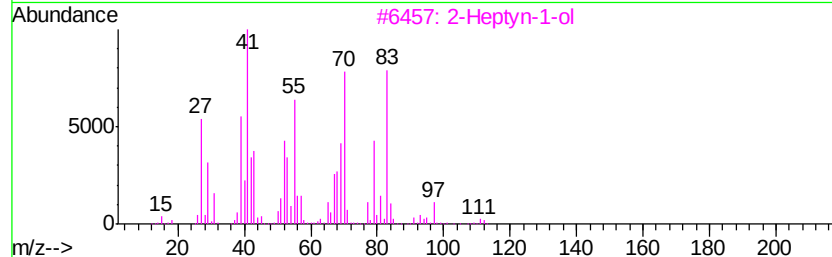
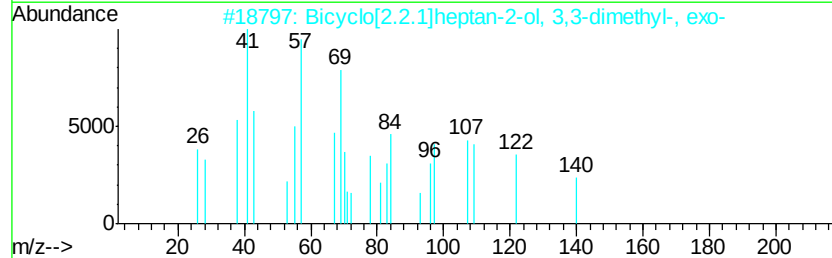
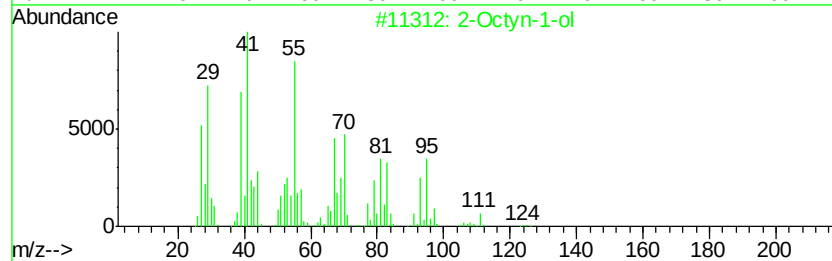
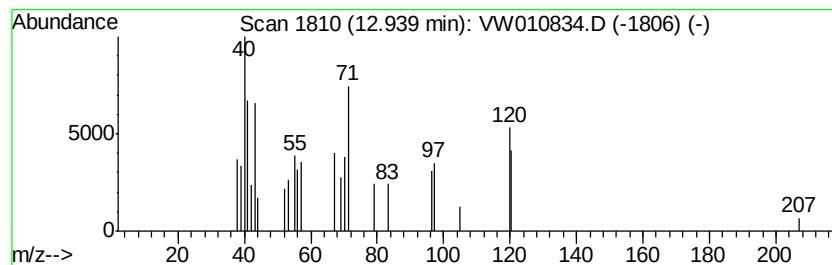
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	5.65 ug/L	4773	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octyn-1-ol	126	C8H14O	020739-58-6	12
2		Bicyclo[2.2.1]heptan-2-ol, 3,3-dimethyl-, exo-	140	C9H16O	000515-28-6	12
3		2-Heptyn-1-ol	112	C7H12O	001002-36-4	10
4		2-Octyn-1-ol	126	C8H14O	020739-58-6	10
5		Cyclohexane, (3,3-dimethylpentyl)-	182	C13H26	061142-22-1	10



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061719\
Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

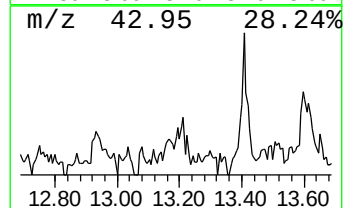
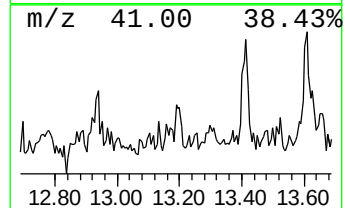
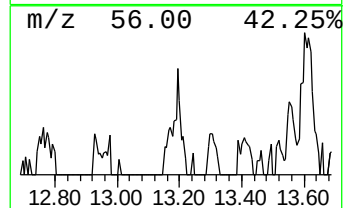
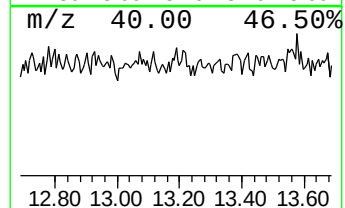
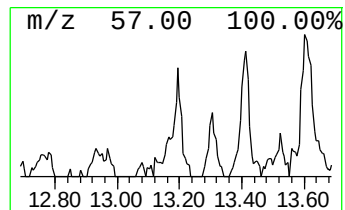
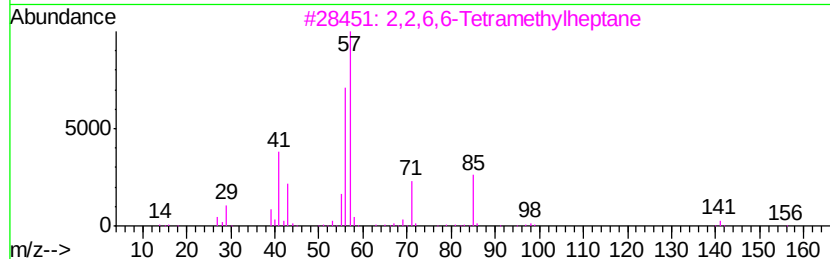
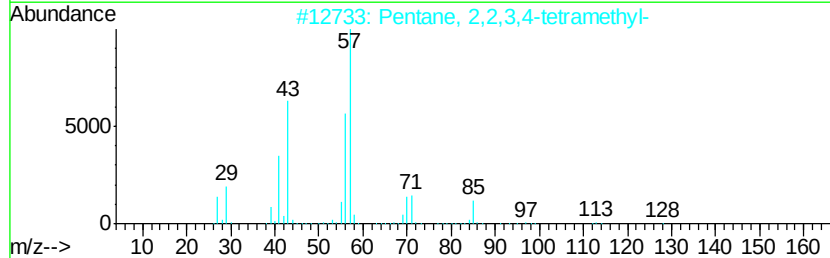
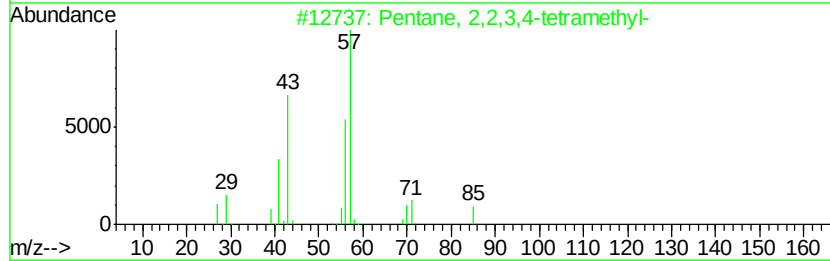
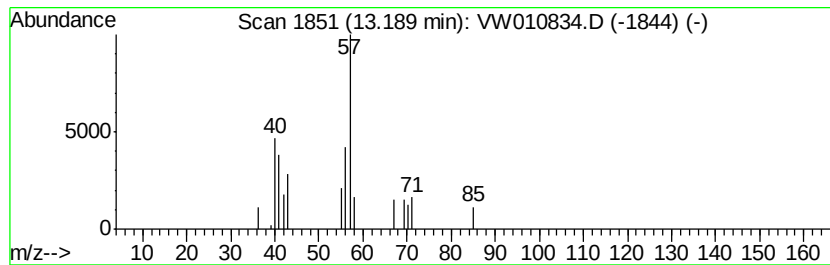
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	6.05 ug/L	5117	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
2		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
3		2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	40
4		Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	36
5		Aziridine, 2-ethyl-	71	C4H9N	002549-67-9	9



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061719\
Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

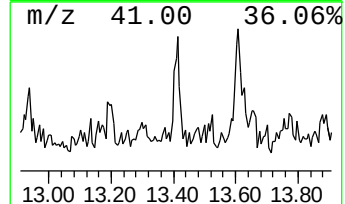
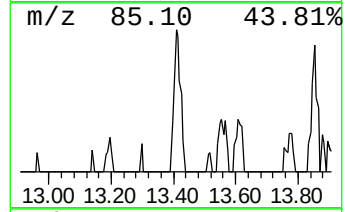
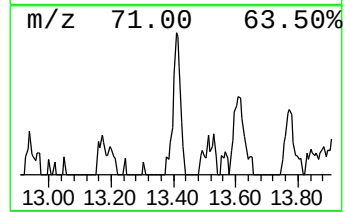
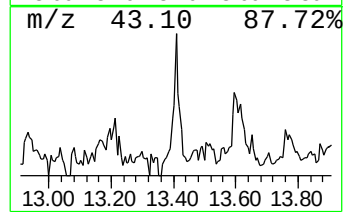
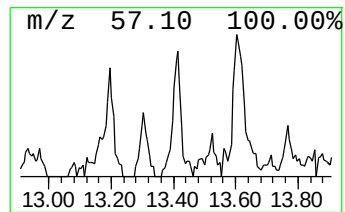
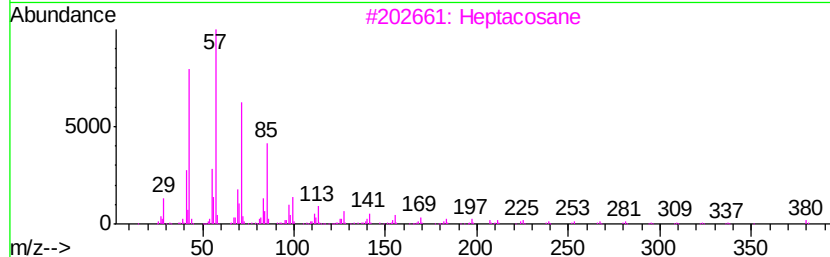
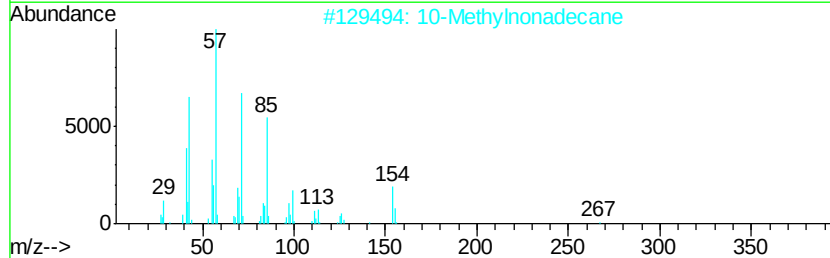
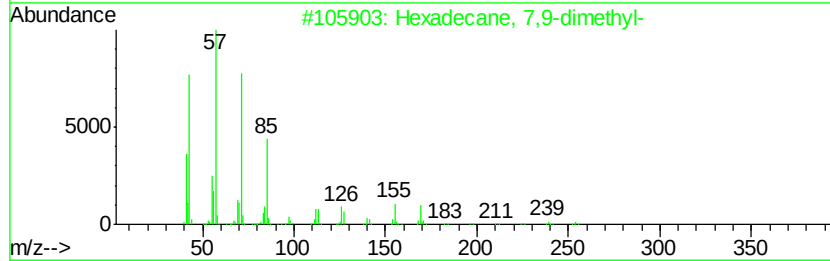
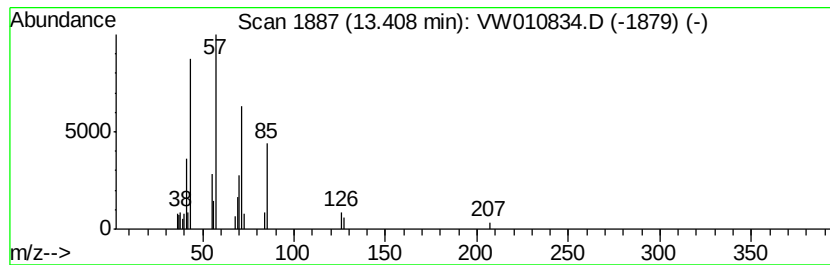
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	9.90 ug/L	8369	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	72
2		10-Methylnonadecane	282	C20H42	056862-62-5	72
3		Heptacosane	380	C27H56	000593-49-7	64
4		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	64
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061719\
Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

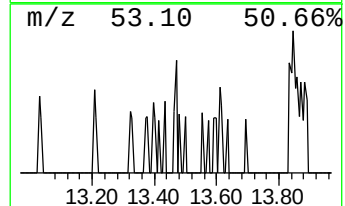
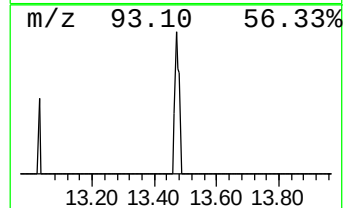
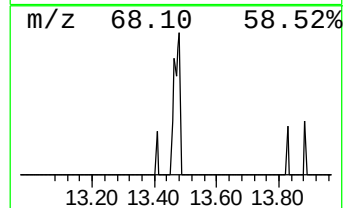
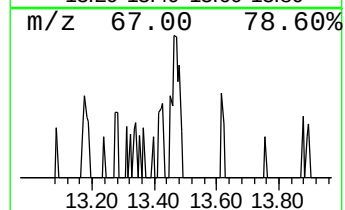
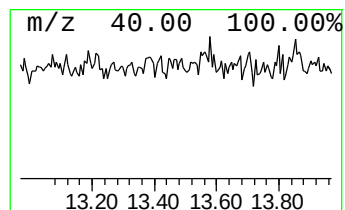
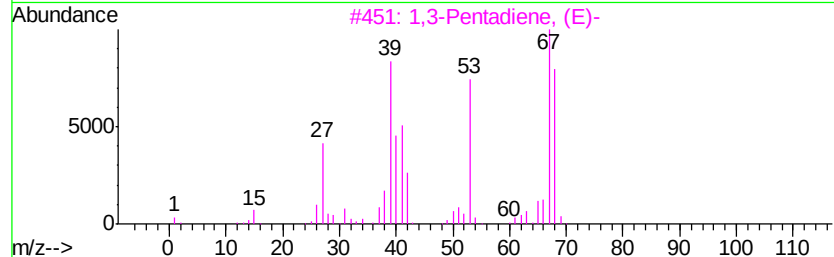
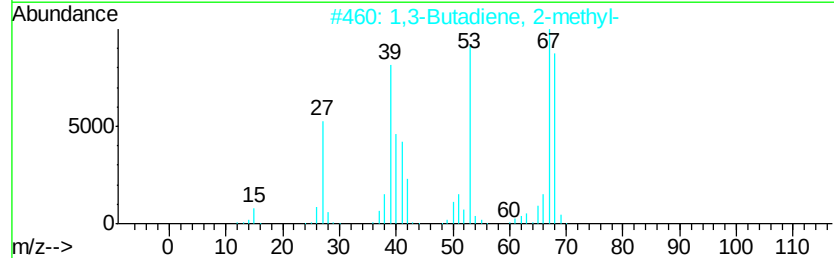
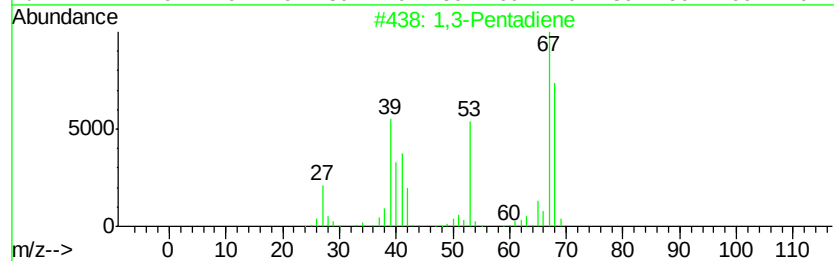
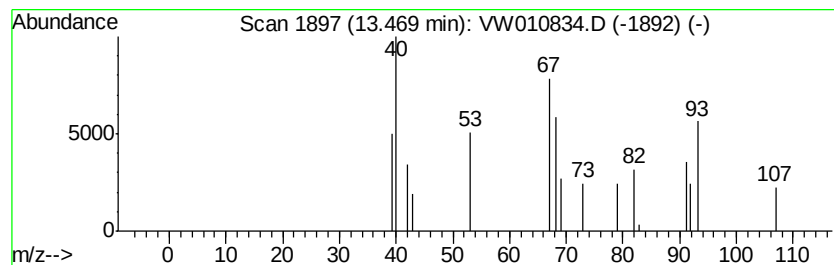
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1,3-Pentadiene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	1.81 ug/L	1530	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Pentadiene	68	C5H8	000504-60-9	50
2			1,3-Butadiene, 2-methyl-	68	C5H8	000078-79-5	50
3			1,3-Pentadiene, (E)-	68	C5H8	002004-70-8	50
4			1,4-Pentadiene	68	C5H8	000591-93-5	50
5			1,3-Pentadiene, (E)-	68	C5H8	002004-70-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061719\
Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

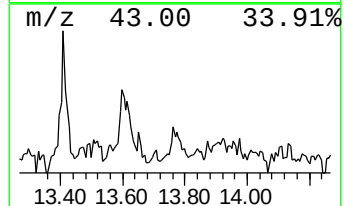
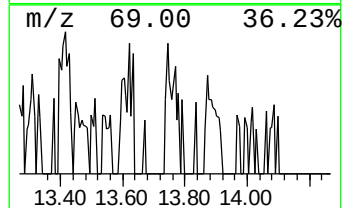
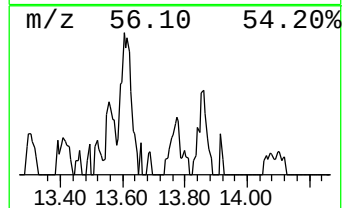
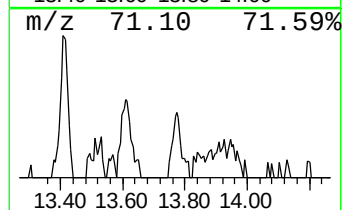
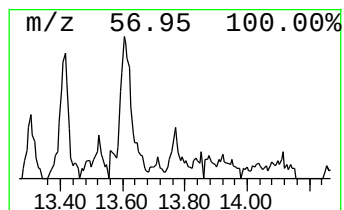
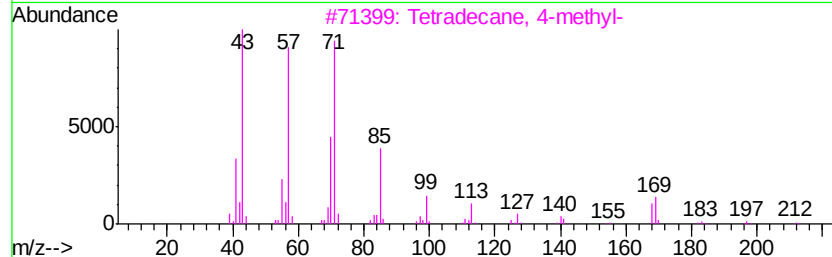
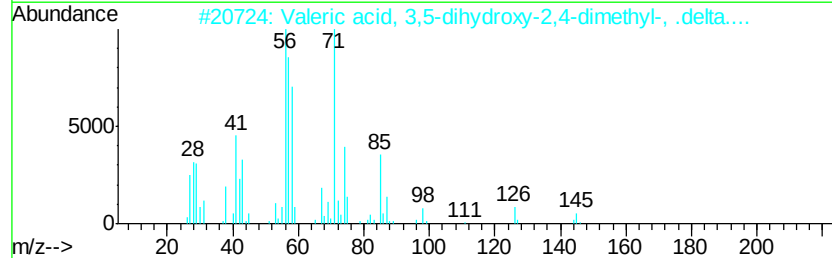
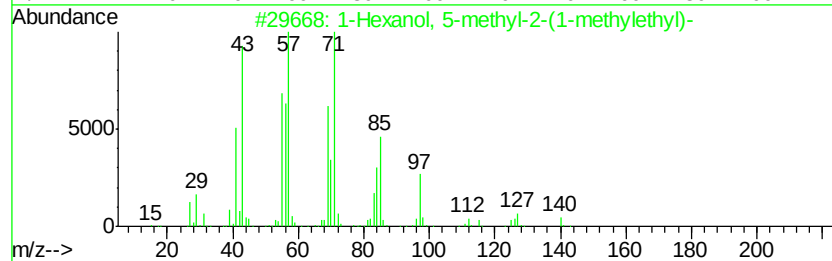
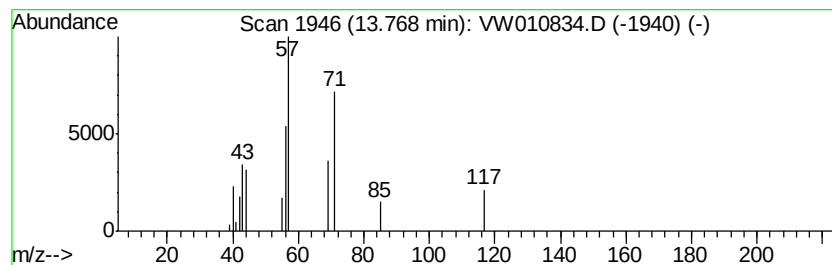
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	4.33 ug/L	3658	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	37
2			Valeric acid, 3,5-dihydroxy-2,4-...	144	C7H12O3	109717-37-5	32
3			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	28
4			Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	17
5			Oxalic acid, 2-ethylhexyl isohex...	286	C16H30O4	1000309-38-8	16



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061719\
Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

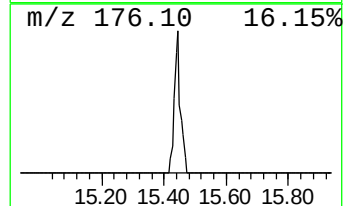
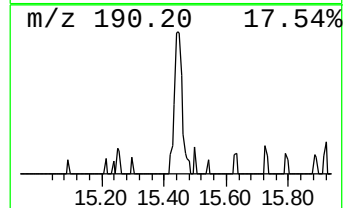
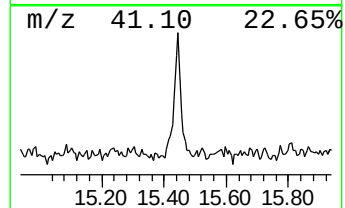
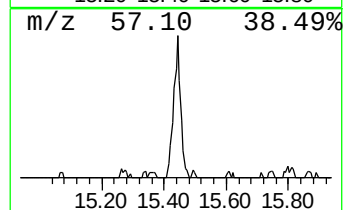
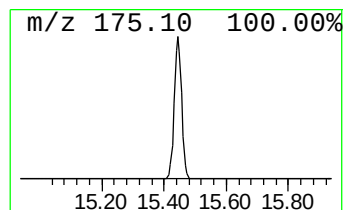
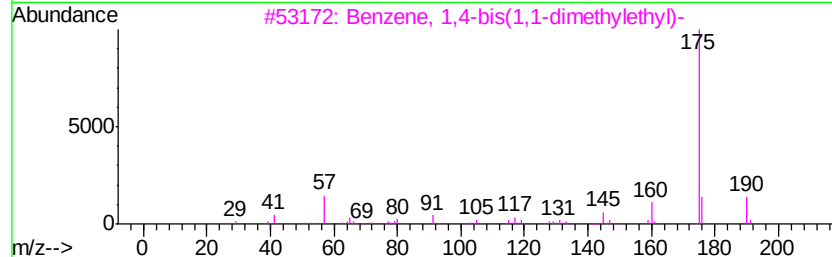
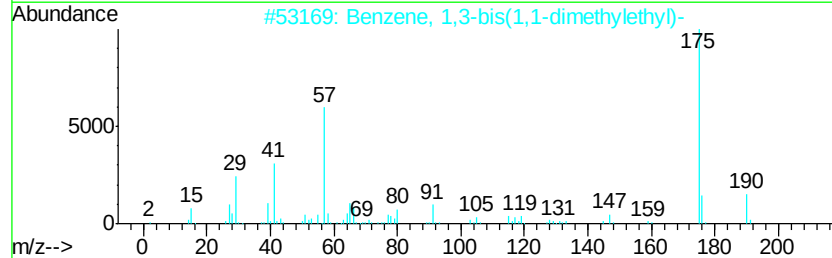
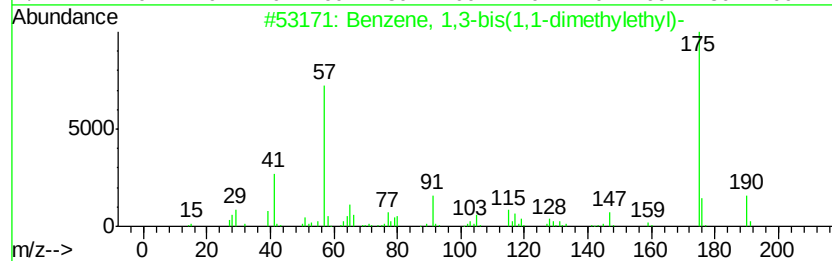
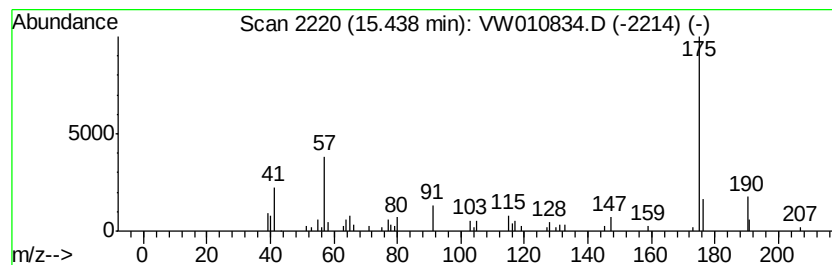
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	27.05 ug/L	22861	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	87
2		Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	80
3		Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	72
4		m-Cymene, 5-tert-butyl-	190	C14H22	029577-19-3	72
5		Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061719\
Data File : VW010834.D
Acq On : 17 Jun 2019 18:12
Operator : SY/VA
Sample : K3363-07
Misc : 3.39G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	5.94	1.3	ug/L	17117	1	8.84	328095	25.0
unknown-01	12.94	5.7	ug/L	4773	3	13.56	21132	25.0
(DEL) Alkane: Str...	13.19	6.0	ug/L	5117	3	13.56	21132	25.0
(DEL) Alkane: Str...	13.41	9.9	ug/L	8369	3	13.56	21132	25.0
1,3-Pentadiene	13.47	1.8	ug/L	1530	3	13.56	21132	25.0
unknown-02	13.77	4.3	ug/L	3658	3	13.56	21132	25.0
Benzene, 1,3-bis(...	15.44	27.1	ug/L	22861	3	13.56	21132	25.0